

# Zhan Wang

## Curriculum Vitae

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Haidian District, Beijing 100871, China

**Qualifications:** Bachelor of Management in Marketing (Beijing Forestry University, BFU), 2006; Master of Science in Economics (University of Nevada at Reno, UNR), 2013. Visiting PhD candidate in Environmental planning and economics (The University of Manchester, UOM), 2017. Doctor of Philosophy in Agricultural and Forestry economics and management (Beijing Forestry University, BFU), 2018.

**Date of Birth:** June 1983, Beijing

**Family member:** mother

**Civil state:** single

### Employment:

07/2018 - now	National School of Development, PKU School of Advanced Agricultural Sciences, PKU	Postdoctoral researcher
02/2014 - 05/2018	CCAP, IGSNRR, CAS	Research fellow
11/2010 - 08/2013	University of Nevada, Reno	Research assistant
07/2007 - 03/2009	China market research centre	Senior research fellow

### Research Activities:

Zhan Wang is working at rural-urban development, renewable resource utilization, eco-urbanization, and social welfare redistribution across administrative levels and social classes, specialises on growth theory, economic modelling, econometric analysis, and static computational general equilibrium (CGE) modelling analysis on public policy intervention. She is a member of the American Economic Association (AEA), the Agricultural & Applied Economics Association (AAEA), Agricultural Economics Society (AES), and the Royal Economic Society (RES). Author-level metric (Google Scholar): *h*-index: 16, *i*10-index: 20, citation: 570+(until 2020-Jul)

AEA profile: [https://www.aeaweb.org/joe/candidates/candidate\\_profile\\_view.php?jcand=QT8QByXoozPZzBP2krYx-hgWSZDh7wao](https://www.aeaweb.org/joe/candidates/candidate_profile_view.php?jcand=QT8QByXoozPZzBP2krYx-hgWSZDh7wao)

#### JEL Codes:

- H11 Structure, Scope, and Performance of Government
- H23 Externalities, Redistributive Effects, Environmental Taxes and Subsidies
- H31 Fiscal Policies and Behavior of Economic Agents: Household
- Q20 Renewable Resources and Conservation: General
- O11 Macroeconomic Analyses of Economic Development
- R11 Regional Economic Activity: Growth, Development, Environmental Issues, and Changes
- R13 General Equilibrium and Welfare Economic Analysis of Regional Economies
- R51 Finance in Urban and Rural Economies
- R58 Regional Development Planning and Policy
- R52 Regional Government Analysis: Land Use and Other Regulations

## Zhan WANG CV

### Honors:

Excellent PhD Graduate of Beijing Higher Education Institutes, 2017-2018  
“The Academic Star” of Beijing Forestry University, 2015-2017  
President scholarship award from Beijing Forestry University, 2016-2017  
Scholarship award from P.R. of China Scholarship Council for Joint-PhD program, 2016-2017  
Total tuition waiver of the School of Environment Education and Development of UOM, 2016-2017  
Outstanding graduate student award of Beijing Forestry University, 2016-2017  
Academic creativity award of Beijing Forestry University, 2016-2017  
Best paper award of the School of economics and management at BFU, 2016-2017  
National scholarship of the Ministry of Education for outstanding PhD graduate students, 2015-2016  
Outstanding graduate student award of Beijing Forestry University, 2015-2016  
Academic creativity award of Beijing Forestry University, 2015-2016  
Best paper award of the School of economics and management at BFU, 2015-2016  
Total tuition waiver for PhD student of Beijing Forestry University, 2015-2018  
Outstanding international student award of the University of Nevada, Reno, 2011-2012  
Full-cover Scholarship of the University of Nevada, Reno with Federal grant of USA, 2011-2013  
Bachelor Scholarship of Beijing Forestry University, 2004-2005

### Research Projects:

- (2019-20) Urban modern agricultural development for reduction urban relative poverty in China: a study of policy-oriented mechanism, China Postdoctoral Science Foundation, (PI: Zhan Wang)
- (2018-19) Identifying and prioritizing policies for engaging African smallholder farmers in agricultural trade with China, the Bill & Melinda Gates Foundation Grant, (Co-leader, PI: Jikun Huang)
- (2018-19) The comprehensive research project of pilot district construction for Northern China ecological security, Grant from Inner Mongolia Autonomous Government of P.R. China, (Participator, PI: Zhibiao Nan and Jikun Huang)
- (2016-18) The NSFC-ESRC Project of International/Regional Cooperation and Exchange Program of National Natural Science Foundation for Eco-urbanization: promoting sustainable development in metropolitan regions of China, NSFC Grant, (Participator, PI: Xiangzheng Deng)
- (2016-20) Key Project of National Natural Science Foundation for the New-type of Urbanization under the background of Urban Ecological Management, NSFC Grant, (Participator, PI: Xiangzheng Deng)
- (2016-21) National Key Research and Development Program of P.R. of China, MOST Grant, (Participator, PI: Xiangzheng Deng)
- (2014-17) The Major Research Plan of the National Natural Science Foundation of China for Decision Support System and Integrated Study for the Water Management in the Hehei River Basin, NSFC Grant, (Participator, PI: Xiangzheng Deng)
- (2014-17) The Major Research Plan of the National Natural Science Foundation of China for Integrated Water Resources Management for Heihe River Basin, NSFC Key integrated project (Participator, PI: Xiangzheng Deng)
- (2013-16) China National Natural Science Funds for Distinguished Young Scholar for Impact Assessment and Optimal Management of Land Uses, NSFC grant, (Participator, PI: Xiangzheng Deng)

## Zhan WANG CV

- (2012-16) The Impacts of Climate Change on Social-Economic Systems and Adaptation Strategies. Funded by Ministry of Science and Technology of the Peoples' Republic of China, (Participator, PI: Jikun Huang)
- (2013-16) Impact Assessment and Optimal Management of Land Uses, NSFC outstanding young scholar project (Participator, PI: Xiangzheng Deng)
- (2010-12) Hay production and price forecasting for eleven western states of USA, FAPRI-MU, US congress federal grant, (Participator, PI: Mike Helmar)
- (2011-14) Nevada rangeland management policy research, U.S. federal grant, (Participator, PI: Thomas Harris)

### Working papers:

1. **Wang, Z.** (2020). Globalization or anti-Globalization: the unexpected relationship between oil price and food price in green economy transition, Peking University.
2. **Wang, Z.** (2020). The Icebreakers in Eco-Urbanization Era of China. Peking University, working paper. doi: 10.13140/RG.2.2.15124.45446
3. **Wang, Z.**, Deng, X., & Zhang, Q. (2020). Community Affordability Green Food Policy Orientation: Environmental Awareness and Daily Expenditure Scheme, China Agricultural Economic Review, Peking University, working paper. doi: 10.13140/RG.2.2.15124.45446
4. **Wang, Z.** (2020). the factual base of globalization and China green economy in post-covid-19-period 2020-6-8, Peking University.
5. **Wang, Z.** (2020). The Marshall Plan and tax reform during 1980s. 2020-5, Peking University.
6. **Wang, Z.** (2020). The theory of ecological transformation in international development 2019-12, Peking University.
7. **Wang, Z.** (2020). China rural economy deepening reform issues 20200522, Peking University.
8. **Wang, Z.** (2019). China rural economy transition from collective ownership to ownership by the whole people 20191106, Peking University.
9. **Wang, Z.** (2020). Real Exchange Rate in Soybeans Trade. Peking University, Aug., working paper.
10. **Wang, Z.** (2020). China Green Economy for Eco-urbanization in Urban-Rural Coordinated Development. Peking University, Jan., working paper.
11. **Wang, Z.**, & Harris, Thomas R., (May 9, 2012). Retail Business Pattern Changes in Rural Development. Available at SSRN: <http://ssrn.com/abstract=2698160>

**Dissertation:** Studies on Beijing Ecological Infrastructure Construction in Eco-urbanization for Regional Sustainable Development: Methodology and Application (2018), Beijing Forestry University, in press.

### Refereed Publications:

- Wang, Z.**, Deng, X., & Liu, G. (2019). Environmental Income in Economic Growth of a Large Open Economy for the era of Eco-urbanization, *Forestry Economics Review*, Vol. 1 No. 1, pp. 32-56.
- Wang, Z.**, Chen, J., Zheng, W., Deng, X. (2018). Dynamics of land Use Efficiency with ecological intercorrelation in regional development. *Landscape and Urban Planning*, 177, 303-316.

- Wang, Z.**, Deng, X., Wong, C., Li, Z., & Chen, J. (2018). Learning Urban Resilience from a Social-Economic-Ecological System Perspective: a case study of Beijing from 1978-2015. *Journal of Cleaner Production*, 183, 343-357.
- Wang, Z.**, Deng, X., Wang, P., & Chen, J. (2017). Ecological Intercorrelation in Urban-Rural Development: An Eco-City of China. *Journal of Cleaner Production*, 163, S28-S41.
- Wang, Z.**, & Deng, X. (2017). The energy policy outlets for community acceptance of ecological investment in China. *Energy Policy*, 107, 669-677.
- Wang, Z.**, Deng, X., Song, W., Li, Z., & Chen, J. (2017). What is the Main Cause of Grassland Degradation? A Case Study of Grassland Ecosystem Service in the Middle-South Inner Mongolia, *CATENA*, 150, 100-107.
- Wang, Z.**, Deng, X., & Wong, C. (2016). Integrated Governance of Land for Eco-Urbanization. *Sustainability*, 8(9), 903.
- Wang, Z.**, Deng, X., Bai, Y., Chen, J., & Zheng, W. (2016). Land use structure and emission intensity at regional scale: A case study at the middle reach of the heihe river basin. *Applied Energy*, 183, 1581-1593.
- Wang, Z.**, Deng, X. & Chen, J. (2015). Impacts of sparing use of water on farmer income of China. *Physics and Chemistry of the Earth, Parts A/B/C*, 89, 18-24.
- Wang, Z.**, Deng, X., Li, X., Zhou, Q., & Yan, H. (2015). Impact analysis of government investment on water projects in the arid Gansu Province of China. *Physics and Chemistry of the Earth, Parts A/B/C*, 79, 54-66.
- Deng, X., **Wang, Z.**, & Zhao, C. (2016). Economic Evolution in China Ecologically Fragile Regions. *Journal of Economic Surveys*, 30(3), 552-576.
- Deng, X., Zhang, F., **Wang, Z.**, Li, X., & Zhang, T. (2014). An Extended Input Output Table Compiled for Analyzing Water Demand and Consumption at County Level in China. *Sustainability*, 6(6), 3301-3320.
- Jin, Q., Deng, X., **Wang, Z.**, Shi, C., & Li, X. (2014). Analysis and Projection of the Relationship between Industrial Structure and Land Use Structure in China. *Sustainability*, 6(12), 9343-9370.
- Bai, Y., Deng, X., Jiang, S., Zhang, Q., & **Wang, Z.** (2018). Exploring the relationship between urbanization and urban eco-efficiency: Evidence from prefecture-level cities in China. *Journal of Cleaner Production*. 195, 1487-1496.
- Chu, X., Deng, X., Jin, G., **Wang, Z.**, & Li, Z. (2017). Ecological security assessment based on ecological footprint approach in Beijing-Tianjin-Hebei region, China. *Physics and Chemistry of the Earth, Parts A/B/C*, 101, 43-51.
- Yang, L., Wang, Z., Jin, G., Chen, D., & **Wang, Z.** (2015). Geological risk assessment for the rapid development area of the Erhai Basin. *Physics and Chemistry of the Earth, Parts A/B/C*, 89, 79-90.
- Song, W., Deng, X., Yuan, Y., **Wang, Z.**, & Li, Z. (2015). Impacts of land-use change on valued ecosystem service in rapidly urbanized North China Plain. *Ecological Modelling*, 318, 245-253.
- Shi, Q., Chen, S., Shi, C., **Wang, Z.**, & Deng, X. (2014). The Impact of Industrial Transformation on Water Use Efficiency in Northwest Region of China. *Sustainability*, 7(1), 56-74.
- Zhan, J., Sun, Z., **Wang, Z.**, Chen, J., & Li, Z. (2015). Simulated water productivity in Gansu Province, China. *Physics and Chemistry of the Earth, Parts A/B/C*, 79, 67-75.
- Deng, X., Zhao, C., Lin, Y., Zhang, T., Qu, Y., Zhang, F., **Wang, Z.**, & Wu, F. (2014). Downscaling the Impacts of Large-Scale LUCC on Surface Temperature along with IPCC RCPs: A Global Perspective. *Energies*, 7(4), 2720-2739.

**Recent Attended Academic Meetings:**

1. The Tenth Meeting for member representatives of Chinese Association of Agro-Technical Economics, Hefei, Anhui Province, China, 2019.9.20-22
2. The Capital City Forum of the 40th anniversary of rural reform of China. Renmin University of China, 2018.12.1
3. The First Forum of China urban economics, presentation titled “Ecological infrastructure construction and regional development: general equilibrium study of the demand of environmental quality improvement in Beijing, Economic Research Journal, National Academy of Economic Strategy at Chinese Academy of Social Sciences (CASS), Beijing, China, 2018.6.10
4. The 2nd Forum of economic theory in Agricultural Economics, Economic Research Journal, China Agricultural University, Beijing, China, 2018.4.21
5. NSFC-ESRC Workshops of Eco-urbanization and spatial planning for promoting sustainable development in metropolitan regions of China, Beijing Forestry University, Beijing, China, 2018.3.7
6. 2017 PRC Regional government fiscal policy report launch, Chinese Academy of Fiscal Sciences, Beijing, China, 2017.12.19
7. NSFC-ESRC Workshops of Eco-urbanization and regional development for promoting sustainable development in metropolitan regions of China, Manchester, UK, 2017.5-6
8. The 13th Beijing Forum, opening ceremony, Diaoyutai State Guest House, Beijing, China, 2016.11.4
9. GLP 3rd open science meeting, presentation titled “What is the Main Cause of Grassland Degradation? A Case Study of Grassland Ecosystem Service in the Middle-South Inner Mongolia”, Beijing, China, 2016.10.27
10. The 33rd International Geographical Congress meeting, presentations titled 1) “Ecological Intercorrelation in Urban-Rural Development: An Eco-City of China”; 2) “Economic Evolution in China Ecologically Fragile Regions”, Beijing, China, 2016.8.22-23
11. 297th forum - young scientists of China association for science and technology under the background of the new normal energy economy and climate policy, Beijing Institute of Technology, Beijing, China, 2015.12.10-11
12. NSFC-CIFOR Cooperation Workshop, Beijing, China, 2015.11.26
13. China management academic 10th meeting, presentation titled “Ecological Intercorrelation in Urban-Rural Development: An Eco-City of China”, Hefei, Anhui Province, China, 2015.11.6-8
14. Workshop of collaborations in China between NSFC and CIFOR, Beijing, China, 2015.9.21-22
15. Dynamics of Land Use Change in an Era of Urban Transformation, Hamilton, New Zealand, 2015.8.10-18
16. International Conference on Carbon Cycle and Global Change, Lin’an, Hangzhou, Jiangsu, China, 2015.6.9-12
17. Regional assessments in the context of The Intergovernmental science-policy Platform on Biodiversity and Ecosystem Services (IPBES), the United Nations Environment Programme - World Conservation Monitoring Centre (UNEP-WCMC), Beijing, China, 2014.11.9-12
18. The SGA networking the United Nations Environment Programme - World Conservation Monitoring Centre (UNEP-WCMC), Dubai, United Arab Emirates, 2014.10.26-28
19. China mathematical economics annual meeting 2014, CGE modelling, Hangzhou, Jiangsu Province, China, 2014.10.17-19

**Book Chapters and Editorial Contributions to:**

Zheng, Siqi & Matthew Kahn (2016). Blue Skies over Beijing, translation to Chinese version.

Deng, Xiangzheng, Buralk Güneralp, Jinyan Zhan and Hongbo Su (2014). Land Use Impacts on Climate, Springer.

Deng, Xiangzheng; Wang, Yi; Wu, Feng; Zhang, Tao; Li, Zhihui (2014). Integrated River Basin Management: Practice Guideline for the IO Table Compilation and CGE Modeling, Springer.

**Editorial Services:** (# assistance to editors)

*AIMS Geosciences*, Editorial Board Member, 2016-now

*Advances in Meteorology*, Guest Editor, 2015-2017

*Regional environmental Change*, Editorial Board Member<sup>#</sup>, 2014-2017

*Sustainability*, Guest Editor<sup>#</sup>, 2014-2015

*Energies*, Guest Editor<sup>#</sup>, 2014-2015

*Physics and Chemistry of the Earth*, Guest Editor<sup>#</sup>, 2014-2015

**Referee for:** (\*multiple occasions, # assistance to reviewer editors)

*Asia and the Pacific Policy Studies\**, *Energy Policy\**, *Landscape and Urban Planning\*<sup>#</sup>*, *Journal of Regional Science\*<sup>#</sup>*, *Journal of Economic Surveys\*<sup>#</sup>*, *China Economic Review\*<sup>#</sup>*, *World Development\*<sup>#</sup>*, *Ecological Economics\*<sup>#</sup>*, *Cities\**, *Urban Forestry & Urban Greening\*<sup>#</sup>*, *Urban Studies\**, *Ecological Modelling\**, *Land Use Policy\*<sup>#</sup>*, *energies\**, *Applied Energy\*<sup>#</sup>*, *Energy Efficiency\**, *PLOS ONE\**, *Applied Geography\**, *Physics and Chemistry of the Earth\**, *Science of the Total Environment\*<sup>#</sup>*, *Food Policy\*<sup>#</sup>*, *Development Policy Review<sup>#</sup>*, *Agricultural Systems\*<sup>#</sup>*, *Environmental Science & Technology\*<sup>#</sup>*, *CATENA\**, *Journal of Cleaner Production\**, *Regional Environmental Change\**, *Sustainability\**, *Discrete Dynamics in Nature and Society\**, *International Journal of Sustainable Development\**, *Ecosystem Health and Sustainability\*<sup>#</sup>*, *Scientific Reports\**, *Environmental Science and Pollution Research\**.